

6036/32103-62520-141250-965-BR03ST00 Art. No. 313298



- Extremely compact and robust light fitting for general lighting applications
- Vibration-proof, sturdy and low-maintenance
- Optionally available with DALI interface or address module for operation in central battery systems.
- IP66/IP67 and IP68 degree of protection
- Suitable for operation in extreme ambient temperatures from -55 °C to +70 °C

MY R. STAHL 6036B



The Series 6036 compact LED tubular light fitting is ideal for general lighting applications and for use as a machine luminaire, even in hard-to-reach areas with very little space. This light fitting boasts a long service life of up to 100,000 hours thanks to its use of energy-efficient LED technology, coupled with electronics that have been developed in-house by R. STAHL. Due to its robust design, it can withstand extreme temperatures of between -55 °C and +70 °C.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX EPS 13.0027
IECEX gas explosion protection	Ex db op is IIC / T6 Gb
IECEX dust certificate	IECEX EPS 13.0027
IECEX dust explosion protection	Ex tb IIIC / T80 °C Db
ATEX gas certificate	EPS 13 ATEX 1 597
ATEX gas explosion protection	Ex II 2 G Ex db op is IIC / T6 Gb
ATEX dust certificate	EPS 13 ATEX 1 597
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC / T80 °C Db
Certificates and approvals	ATEX IECEX
Declaration of Conformity	ATEX (EUK)

Electrical Data

Rated operational voltage AC	100 – 277 V
Rated operational voltage DC	190 ... 250 V
Power factor	≥ 0.88
Frequency range	50 – 60Hz
Control interface	with switching phase L'

Auxiliary Power

Nominal current	60 mA
-----------------	-------

Lighting Data

Light colour	Daylight white CRI90
Light distribution	Cylinder optics 20°x160°
Luminaire efficacy	104 lm/W

6036/32103-62520-141250-965-BR03ST00 Art. No. 313298

Lighting Data

Luminous flux	1350 lm
Colour rendering	≥ 90
Colour temperature	6500 K
Note	Values apply to $T_a = +25\text{ °C}$

Ambient Conditions

Storage temperature	-40 °C ... 70 °C
---------------------	------------------

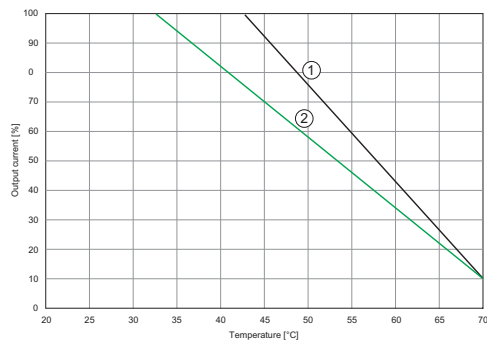
Mechanical Data

IP degree of protection (IEC 60598)	IP66 / IP68 (10 m / 60 min)
Class	II
Enclosure material	Polycarbonate
Pipe material	Polycarbonate
Type of connection cable	RCO 52261 2x1.5 mm ²
Cable length	25 m
Size	1
Length	550 mm
Diameter	55.9 mm
Impact strength (IEC 62262)	IK11
Weight	-

Components

Cable glands and entries	CMP-20-A2F (M20x1.5)
Wire guard	No

Technical Drawings – Subject to Alterations



Luminous flux decline

- In DC operation to 50%
- Relative to ambient temperature
- 1: All white tones, size 1 to 4
- 2: All colours, size 1 to 4

Accessories

Plug

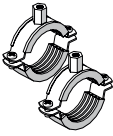
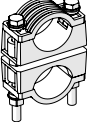
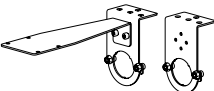
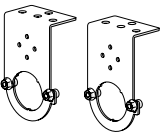





8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A

Art. No.

272898

6036/32103-62520-141250-965-BR03ST00 Art. No. 313298

Mounting bracket		Art. No.
	Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces)	227256
	Mounting bracket made of stainless steel V4A to screw onto thread M8 or M10 (2 pieces)	227257
	Double plastic mounting clamp for mounting on pipes with a diameter of 45 to 55 mm (screws and nuts made from stainless steel V2A) (2 pieces)	254932
	Set of mounting plate Art. no. 254494 and mounting bracket Art. no. 252940	248100
	Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces)	252940
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535
	Mounting plate made of stainless steel V4A for terminal box Ex e Series 8010 (for example Art. No. 130724) for fastening on mounting bracket Art. No. 252940	254494
Mounting bracket and magnet		Art. No.
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.